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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/785,447		02/24/2004	Axel Vom Endt	P04,0026	8503
26574	7590	03/28/2005		EXAM	INER
SCHIFF HA	RDIN,	LLP	SHRIVASTAV, BRIJ B		
PATENT DE			ADMIN TO A	D + DED > H D (DED	
6600 SEARS	TOWE	R	ART UNIT	PAPER NUMBER	
CHICAGO,	IL 606	06-6473	2859		
				DATE MAILED: 03/28/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Ak				
	Application No.	Applicant(s)				
Office Action Commons	10/785,447	ENDT, AXEL VOM				
Office Action Summary	Examiner	Art Unit				
7. 444.00 0477	Brij B. Shrivastav	2859				
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet with the	e correspondence address				
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a real if NO period for reply is specified above, the maximum statutory perions are provided to the specified above. The maximum statutory perions are provided by the office later than three months after the main earned patent term adjustment. See 37 CFR 1.704(b).	I. 1.136(a). In no event, however, may a reply be eply within the statutory minimum of thirty (30) o d will apply and will expire SIX (6) MONTHS fro ute, cause the application to become ABANDO	timely filed days will be considered timely. om the mailing date of this communication. NED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 24	February 2004.					
2a) ☐ This action is FINAL . 2b) ☑ Th	nis action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims	Ex parto gadylo, 1000 O.B. 11,	430 0.0. 210.				
4) Claim(s) 1-7 is/are pending in the application 4a) Of the above claim(s) is/are withdom 5) Claim(s) is/are allowed. 6) Claim(s) 1-7 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and Application Papers 9) The specification is objected to by the Examination The drawing(s) filed as is/are application.	rawn from consideration. /or election requirement. ner.	o Eversings				
10)☐ The drawing(s) filed on is/are: a)☐ acceptable Applicant may not request that any objection to the						
Replacement drawing sheet(s) including the corre	-,,	· ·				
11) The oath or declaration is objected to by the	• • • • • • • • • • • • • • • • • • • •					
Priority under 35 U.S.C. § 119						
a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a list	nts have been received. nts have been received in Applic iority documents have been received.	ation No ived in this National Stage				
Attachment(s)						
Notice of References Cited (PTO-892)	4) Interview Summa					
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date 7/15/04 and 9/23/0. 	Paper No(s)/Mail 8) 5) Notice of Informa 6) Other:	Date I Patent Application (PTO-152)				

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 1. Claims 1-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Stocker (GB 2 395 278 A).

As regards to claim 1, Stocker teaches a gradient coil for a magnetic resonance tomography apparatus, including a carrier plate, and a spiral coil disposed on the carrier plate at a first level relative to the carrier plate (figures 1 and 6, numerals 110 and 120). The coil having an inner conductor feed section and an outer conductor feed section, wherein the inner conductor feed section being disposed at a second level, separated from the first level, relative to the carrier plate (figure 2, 3 and 6, numerals 115/145 and the outer end can be seen as dotted line outer end). The spiral coil with the inner and outer feed conductor sections forming a continuous, unitary electrical conductor (as can be seen by the dotted line of figure 6), whereas the inner conductor feed section being disposed outside of the carrier plate (figure 6, the inner end 115/145 joining to the second coil 140).

As regards to claims 2 and 3, Stoker further teaches first level of the coil as a plane and in a cylindrical form (figure 6, numeral 110 and 120 page 9)

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2. As regards to claim 4, Stocker teaches a method for producing a gradient coil for a magnetic resonance tomography apparatus, including the steps of producing a gradient coil for a magnetic resonance providing a winding plate having a continuous groove therein in the form of a spiral disposed in a first plane (figures 2 and 3); inserting a portion of a continuous electrical conductor into said groove for causing said continuous electrical conductor to follow said groove along said conductor path to generate a conductor arrangement formed as a spiral coil in said first plane; adhering said spiral coil to a carrier plate, and lifting the carrier plate from the winding plate, and bending a portion of the continuous electrical conductor remaining in a center of the spiral coil into a second plane, thereby forming a radial inner conductor feed section (figures 2 and 3; page 5, 6 and 8).

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3. As regards to claim 6, Stocker teaches a method for producing a gradient coil for a magnetic resonance tomography apparatus comprising the steps of: providing a winding plate having a predetermined groove in a first plane, and a predetermined spiral-shaped groove proceeding outwardly from a center and being disposed in a second plane, said first plane being disposed below said second plane (figure 6), inserting a continuous electrical conductor into said predetermined groove and into said spiral-shaped groove and thereby forming, in said predetermined groove, a radial inner conductor feed section in said first plane and forming, in said spiral-shaped groove, a spiral coil in said second plane, said spiral coil and said inner conductor feed section forming a conductor arrangement', adhering said conductor arrangement to a carrier

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plate adhering said conductor arrangement to a carrier plate disposed on said winding plate; and lifting said carrier plate together with said conductor arrangement off of said carrier plate (figure 6; pages 8 and 9).

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As regards to claims 5 and 7, Stocker further teaches rolling the spiral coil into a hollow cylinder having a cylindrical axis with a parallel feed axis to the axis (page 9).

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brij B. Shrivastav whose telephone number is 571-272-2250. The examiner can normally be reached on 7 AM to 4 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Diego F. F. Gutierrez can be reached on 571-272-2245. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

March 22, 2005

Brij 🏿 Shrivastav

Examiner

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